

Converting Colors

CIELCh(31, 15.445, 303.643)

Have a look what the booklet for
CIELCh(31, 15.445, 303.643)
contains.

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Color

CIELCh(31, 15.709, 304.518)

Conversions

Conversions Part 1

Format	Color
Hex	4D455D
RGB	77, 69, 93
RGB Percent	30%, 27%, 36%
CMY	0.6974, 0.7288, 0.6347
CMYK	0.17, 0.26, 0.00, 0.63
HSL	260°, 15%, 32%
HSV	260°, 26%, 37%
XYZ	7.1926, 6.6515, 11.2966
YIQ	74.1280, -2.9360, 9.1600

Conversions

Conversions Part 2

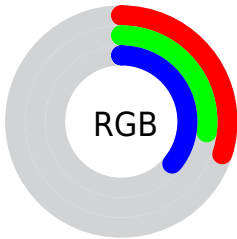
Format	Color
R_{YB}	77, 69, 93
Decimal	5064029
CIE _{Lab}	31.00, 8.90, -12.94
CIE _{LCh}	31, 15.709, 304.518
Yxy	6.6515, 0.2861, 0.2646
Android (android.graphics.Color)	4283254109 (0xFF4D455D)
YUV	74.1280, 9.3039, 2.5187
Hunter-Lab	25.7905, 4.6476, -7.9165




Details

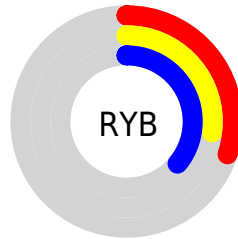
The CIELCh color **31, 15.709, 304.518** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **38, 15.022, 121.737**, and the grayscale version is **32, 0.005, 296.813**.




A 20% lighter version of the original color is **51, 15.624, 304.543**, and **11, 15.637, 303.940** is the 20% darker color. If you saturate the color by 10%, you get **28, 22.134, 305.204**, and if you desaturate by 10%, it is **34, 9.463, 303.894**.

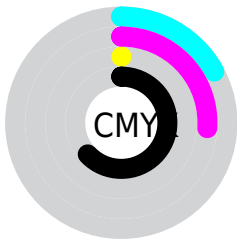
Distribution







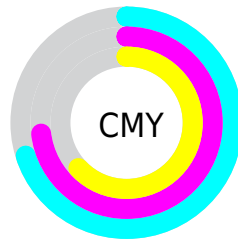
-  Red (30%)
-  Green (27%)
-  Blue (36%)






-  Red (30%)
-  Yellow (27%)
-  Blue (36%)



-  Cyan (17%)
-  Magenta (26%)
-  Yellow (0%)
-  Black (63%)





-  Cyan (70%)
-  Magenta (73%)
-  Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 15.709, 304.518 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 31, 15.709, 304.518 by changing the saturation by 10% instead.


 31, 15.709,
304.518


 31, 15.709,
304.518

 100, 15.709,
304.518


 21, 15.709,
304.518

 51, 15.709,
304.518


 11, 15.709,
304.518


 61, 15.709,
304.518

 1, 15.709, 304.518

 71, 15.709,
304.518

 0, 15.709, 304.518

 81, 15.709,
304.518

 91, 15.709,
304.518

31, 15.709,
304.518

31, 15.709,
304.518

28, 22.134,
305.204

34, 9.463, 303.894

24, 28.710,
305.945

38, 3.410, 303.332

41, 2.450, 122.863

21, 35.366,
306.721

44, 8.123, 122.419

18, 41.969,
307.491

48, 13.615,
122.037

15, 48.282,
308.189

51, 18.937,
121.705

13, 53.930,
308.710

54, 24.098,
121.415

11, 58.931,
309.130

57, 29.106,
121.165

10, 61.317,

60, 33.971,

309.463

120.948

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31, 15.709, 304.518



38, 15.022, 121.737

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31, 15.709, 304.518



31, 15.709, 354.518



31, 15.709, 124.518



31, 15.709, 174.518

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31, 15.708, 304.517



47, 5.839, 303.466



35, 7.879, 238.246



24, 4.189, 303.528



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31, 15.708, 304.517



38, 23.473, 304.933



32, 17.301, 320.880



17, 3.286, 303.498



13, 68.925, 309.258



34, 122.427, 308.635

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32, 14.383, 337.422



40, 21.300, 337.895



37, 17.145, 138.541



17, 3.061, 336.200



23, 49.019, 346.234



52, 85.354, 347.833

Previews

White Background



This preview shows how the CIE LCh color 31, 15.709, 304.518 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 31, 15.709, 304.518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

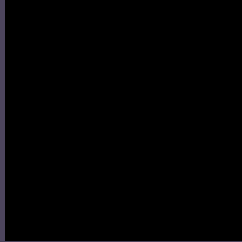
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 15.709, 304.518

Background



This preview shows how black text looks on a background with the CIELCh color 31, 15.709, 304.518.

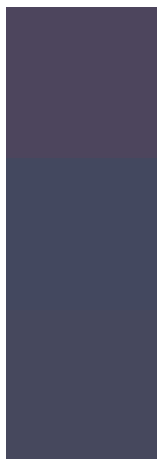


This preview shows how white text looks on a background with the CIELCh color 31, 15.709, 304.518.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31, 15.709, 304.518

Protanopia

31, 14.722, 285.391

Deuteranopia

31, 13.380, 289.240



Tritanopia
31, 3.934, 303.424

Trichromacy



Original Color
31, 15.709, 304.518

Protanomaly
31, 14.672, 292.800

Deuteranomaly
31, 14.069, 295.872

Tritanomaly
31, 8.489, 302.943

Monochromacy



Original Color
31, 15.709, 304.518

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 5.893, 303.612

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 15.709, 304.518 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(77, 69, 93)` looks like.

```
.text, #text, p{  
    color:rgb(77, 69, 93)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(77, 69, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 69, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 15.709, 304.518 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(77, 69, 93) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(77, 69, 93) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(77, 69, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 69, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 69, 93);  
box-shadow:4px 4px 4px 4px rgb(77, 69, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 15.709, 304.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 69, 93) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(77, 69,  
93) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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